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Publications during April 2000 through March 2001

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Talk and Panel

1. Masayuki Murata, "IP over WDM networks towards the next-generation Internet," Tutorial Talk, *2000 Asia-Pacific Network Operations and Management Symposium (APNOMS 2000)*, October 2000. [[pdf](#)]
2. Masayuki Murata, "Network dimensioning of the Internet," Distinguished Experts Panel on "New Management Paradigms and Technologies Towards the Internet Millennium," *2000 Asia-Pacific Network Operations and Management Symposium (APNOMS 2000)*, October 2000.

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2. Naoki Wakamiya, Masayuki Murata and Hideo Miyahara, "On video coding algorithms with application level QoS guarantees," *Computer Communication Journal*, Vol. 23, pp. 1459-1470, August 2000. [[pdf](#)]
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4. Kazuhiro Gokyu, Ken-ichi Baba and Masayuki Murata, "Path accommodation methods for unidirectional rings with optical

compression TDM," *IEICE Transactions on Communications*, Vol. E83-B, pp. 2294-2303, October 2000. [pdf]

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6. Go Hasegawa, Masayuki Murata and Hideo Miyahara, "Fairness and stability of congestion control mechanisms of TCP," *Telecommunication Systems Journal*, pp. 167-184, November 2000. [pdf]
7. Doo Seop Eom, Masashi Sugano, Masayuki Murata and Hideo Miyahara, "Performance improvement by packet buffering in Mobile IP based networks," *IEICE Transactions on Communications*, Vol. E83-B, No. 11, pp. 2501-2512, November 2000. [pdf]
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10. Kazumine Matoba, Shingo Ata, and Masayuki Murata, "Improving accuracy of bandwidth estimation for Internet links by statistical methods," to appear in *IEICE Transactions on Communications*, June 2001. [pdf]
11. Atsushi Nagate, Masashi Sugano, Masayuki Murata and Hideo Miyahara, "Impact of limited number of wired channels on soft handoff in CDMA cellular systems," to appear in *IEICE Transaction on Communications*, Vol. E84-B, March 2001. [pdf]
12. Kouhei Fujimoto, Shingo Ata, and Masayuki Murata, "Statistical analysis of packet delays in the Internet and its application to playout control for streaming applications," to appear in *IEICE Transactions on Communications*, June 2001. [pdf]
13. Go Hasegawa, Takahiro Matsuo, Masayuki Murata and Hideo Miyahara, "Comparisons of packet scheduling algorithms for fair service among connections on the Internet," submitted to *Journal on High Speed Network*, April 2000. [pdf]
14. Hiroyuki Ohsaki, Masayuki Murata, Toshimitsu Ushio, and Hideo Miyahara, "A control theoretical analysis of a window-based flow control mechanism in TCP/IP networks," submitted to *IEEE Transactions on Control Systems Technology*, August 2000. [pdf]
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- "Application of control theory to a window-based flow control mechanism with ECN routers," submitted to *Performance Evaluation*, August 2000. [pdf]
16. Masayuki Murata, Ken-ichi Kitayama and Hideo Miyahara, "IP over a-thousand-wavelength division multiplexing: Is it useful and possible for resolving the network bottlenecks?," submitted to *Optical Networks Magazine*, November 2000. [pdf]
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 6. Kenji Kurata, Go Hasegawa, Masayuki Murata, "Fairness comparisons between TCP Reno and TCP Vegas for future deployment of TCP Vegas," in *Proceedings of INET 2000*, July 2000. [[pdf](#)]
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17. Masashi Sugano, Tsutomu Araki, Masayuki Murata, Takaaki Hatauchi and Yohei Hosooka, "Performance evaluation of a wireless ad hoc network: Flexible Radio Network (FRN)," in *Proceedings of 2000 IEEE International Conference on Personal Wireless Communications*, (Hyderabad), pp. 350-354, December 2000. [pdf]
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